tioner's Docket No. 63833-5028

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**PATENT** 

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

**Anthony Griffo** 

Application No.: 10/726,387

Filed: December 2, 2003

Group No.:

Examiner: TBA

For: RANDOMLY-ORIENTED COMPOSITE CONSTRUCTIONS

**Commissioner for Patents** P.O. Box 1450 Alexandria, VA 22313-1450

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Date: 11-12-04

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Application Number 10/726,387

Filing Date 12/02/2003

Art Unit

First Named Inventor

Examiner Name

Anthony Griffo

Not Yet Assigned

1742

INFORMATION DISCESSURES
STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 4 Attorney Docket Number 63833-5028

			U. S. PATENT D	OCUMENTS	
xaminer	Cite No.1	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where
nitials*		Number-Kind Code <sup>2 (if known)</sup>	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
	1	us-4017480	Apr., 1977	Baum	
	2	us-4142888	Mar., 1979	Rozmus	
	3	บร <b>-4255165</b>	Mar., 1981	Dennis et al.	
	4	us-4341557	Jul., 1982	Lizenby	
	5	us- <b>4368788</b>	Jan., 1983	Drake	
	6	us-4372404	Feb., 1983	Drake	
	7	us- <b>4378975</b>	Apr., 1983	Tomlinson et al.	
	8	us-4398952	Aug., 1983	Drake	
	9	us-4428906	Jan., 1984	Rozmas	
	10	us-4495073	Jan., 1985	Dubensky et al.	
	11	us-4525178	Jun., 1985	Hall	
	12	us-4593776	Jun., 1986	Salesky et al.	
	13	us-4604106	Aug., 1986	Hall et al.	
	14	us 4604106	Aug., 1986	Hall et al.	
	15	us 4656002	Apr., 1987	Lizenby et al.	
	16	us 4673549	Jun., 1987	Ecer	
	17	us 4694918	Sep., 1987	Hall	
	18	us 4723996	Feb., 1988	Brunet et al.	

	FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document  Country Code <sup>3-</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>		
	19	EP 0 052 922	Jun., 1982	MINNESOTA MINING				
	20	EP 0 278 793	Aug., 1998	REPARMETAL NORD				
	21	EP 0 774 527	May, 1997	SUMITOMO ELECTRIC				
	22	GB 1572460	Jul., 1980	WATANABE		_		
	23	GB 1574615	Sep., 1980	SHELL INT RESEARCH				

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Complete if Known Substitute for form 1449A/PTO **Application Number** 10/726,387 Filing Date 12/02/2003 INFORMATION DISCLOSURE First Named Inventor Anthony Griffo STATEMENT BY APPLICANT Art Unit 1742 Examiner Name Not Yet Assigned (Use as many sheets as necessary) Attorney Docket Number 2 Sheet 63833-5028

			U. S. PATENT D	OCUMENTS	
Examiner	Cite No.1	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where
Initials*		Number-Kind Code <sup>2 (if known)</sup>	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
	24	us 4772524	Sep., 1988	Coblenz.	
	25	us 4866885	Sep., 1989	Dodsworth.	
	26	us 4945073	Jul., 1990	Dubensky et al.	
-	27	us 5089182	Feb., 1992	Findeisen et al.	
	28	us 5096465	Mar., 1992	Chen et al.	
	29	us 5271749	Dec., 1993	Rai et al.	
	30	us 5290507	Mar., 1994	Runkle	
	31	us 5304342	Apr., 1994	Hall, Jr. et al.	<del> </del>
	32	us 5326380	Jul., 1994	Yao et al.	<del></del>
	33	us 5370195	Dec., 1994	Keshavan et al.	
	34	us 5419868	May., 1995	Honnorat	··· · · · · · · · · · · · · · · · · ·
	35	us 5441817	Aug., 1995	Rai	
	36	us 5453105	Sep., 1995	Middlemiss et al.	
	37	us 5492186	Feb., 1996	Overstreet et al.	
	38	us 5598621	Feb., 1997	Littecke et al.	
	39	us 5645781	Jul., 1997	Popovic' et al.	
	40	us 5662183	Sep., 1997	Fang.	
	41	us 5676496	Oct., 1997	Littecke et al.	

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Initials*	No.	Country Code <sup>3</sup> -Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	
	42	GB 2 239 028	Jun.,1991	HONDA MOTOR CO		
	43	GB 2 286 599	Aug., 1995	SMITH INTERNATIONA		
	44	GB 2 315 775	Nov., 1998	NSK LTD (JP)		
	45	GB 2 315 778	Nov., 1998	SMITH INTERNATIONA		
_	46	JP 62-274034	Nov., 1987	TOYOTA CENTRAL RES		

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	Examiner	Cite No.1	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where
48       us 5813105       Sep., 1998       Littecke et al.         49       us 5830813       Nov., 1998       Yao et al.         50       us 5880382       Mar., 1999       Fang et al.         51       us 5944127       Aug., 1999       Liang et al.         52       us-6063502       May, 2000       Sue et al.         53       us-6102140       Aug., 2000       Boyce et al.         54       us-6187068       Feb., 2001       Frushour et al.         55       us-6258139       Jul., 2001       Jensen         56       us-6290008       Sep., 2001       Portwood et al.         57       us-6325165       Dec., 2001       Eyre         58       us-6361873       Mar., 2002       Yong et al.         59       us-6454027       Sep., 2002       Fang et al.         60       us-6607835       Aug., 2003       Fang et al	Initials*			MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant
49       us 5830813       Nov., 1998       Yao et al.         50       us 5880382       Mar., 1999       Fang et al.         51       us 5944127       Aug., 1999       Liang et al.         52       us-6063502       May, 2000       Sue et al.         53       us-6102140       Aug., 2000       Boyce et al.         54       us-6187068       Feb., 2001       Frushour et al.         55       us-6258139       Jul., 2001       Jensen         56       us-6290008       Sep., 2001       Portwood et al.         57       us-6325165       Dec., 2001       Eyre         58       us-6361873       Mar., 2002       Yong et al.         59       us-6454027       Sep., 2002       Fang et al.         60       us-6607835       Aug., 2003       Fang et al		47	us 5712030	Jan., 1998	Goto et al.	
50       us 5880382       Mar., 1999       Fang et al.         51       us 5944127       Aug., 1999       Liang et al.         52       us-6063502       May, 2000       Sue et al.         53       us-6102140       Aug., 2000       Boyce et al.         54       us-6187068       Feb., 2001       Frushour et al.         55       us-6258139       Jul., 2001       Jensen         56       us-6290008       Sep., 2001       Portwood et al.         57       us-6325165       Dec., 2001       Eyre         58       us-6361873       Mar., 2002       Yong et al.         59       us-6454027       Sep., 2002       Fang et al.         60       us-6607835       Aug., 2003       Fang et al	_	48	us 5813105	Sep., 1998	Littecke et al.	
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60 us-6607835 Aug., 2003 Fang et al		58	us-6361873	Mar., 2002	Yong et al.	
60 us-6607835 Aug., 2003 Fang et al	· · · · · · · · · · · · · · · · · · ·	59	us-6454027	Sep., 2002	Fang et al.	
61 us-6696137 Feb., 2004 Fong		60	us-6607835	Aug., 2003	Fang et al	****
		61	us-6696137	Feb., 2004	Fong	

FOREIGN PATENT DOCUMENTS							
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	62	JP 8-49037	Feb., 1996	CHICHIBU ONODA CE	•		
	63	WO 81/03295	Nov., 1981	MINNESOTA MINING			
	64	WO 96/36465	Nov., 1996	SANDVIK AB; SMITH			

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NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²			
	65	Flaw Tolerant, Fracture Resistant, Non-Brittle Materials Produced via Conventional Powder Processing, Technological Advances, July/August 1995, Matrice Technology Ltd., Vol. 10, Number 7/8, p. 131-134				
	66	Research & Development Summaries, Advance Ceramics Research, Aug. 18, 1996, 4 Summaries, 2 to 3 pages each				
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